

H-K Building 5  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/23/89  
 Inspector: BAXTER & VOTH

ASBESTOS ASSESSMENT SURVEY

Building Number: 35  
 Building Name: BOTTLING HOUSE  
 SEATTLE, WASHINGTON  
 Building Type: FOOD PROC.  
 Year Constructed: 1955

AREA COMMENTS

The materials are in good condition with minor contact and water damage. The materials are up to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a moderate traffic area.

AREA # 01 TOTAL \$6,445 \$4,290 \$10,735

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AREA NUMBER: 02

AREA DESCRIPTION: 1st Floor

AREA AVERAGE % ASBESTOS: 19%

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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
N half of bldg-center & perimeter risers	00-356025	20%	pipe covering	OMA	80 ft.	4 in. O.D.	LPS/R	26	III	\$714	\$446	\$1,160
N half of bldg-along E wall-at ceiling	07-356019	10%	mjp on non-suspect pipe cover	OMA	10	6 in. O.D.	LPS/R	26	III	\$387	\$227	\$614
N half of bldg-along W wall-at ceiling	07-356019	10%	mjp on non-suspect pipe cover	OMA	10	4 in. O.D.	LPS/R	26	III	\$281	\$156	\$437
N half of bldg-along W wall-at ceiling	07-356019	10%	mjp on non-suspect pipe cover	OMA	30	4 in. O.D.	LPS/R	26	III	\$843	\$468	\$1,311
N half of bldg-along S wall-at ceiling	07-356019	10%	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	LPS/R	26	III	\$337	\$187	\$524
N half of bldg-along E wall-at ceiling	07-356019	10%	mjp on non-suspect pipe cover	OMA	6	4 in. O.D.	LPS/R	26	III	\$169	\$94	\$263
	07-356020	20%						26	III			
	07-356021	20%						26	III			
N half of bldg-along W wall-at ceiling	08-356022	30%	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	DW	26	III	\$337	\$187	\$524
N half of bldg-along S wall-at ceiling	08-356022	30%	mjp on non-suspect pipe cover	OMA	10	6 in. O.D.	DW	26	III	\$387	\$227	\$614
N half of bldg-along W wall-at ceiling	08-356022	30%	mjp on non-suspect pipe cover	OMA	14	4 in. O.D.	DW	26	III	\$393	\$219	\$612
N half of bldg-along E wall-at ceiling	08-356022	30%	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	DW	26	III	\$337	\$187	\$524
N half of bldg-along S wall-at ceiling	08-356022	30%	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	DW	26	III	\$337	\$187	\$524
	08-356023	30%						26	III			
	08-356024	20%						26	III			
N half of bldg-center & perimeter risers	09-356026	20%	mjp on pipe covering	OMA	35	4 in. O.D.	LPS/R	26	III	\$983	\$546	\$1,529
	09-356027	20%						26	III			
	09-356028	20%						26	III			
N half of bldg-along south & north walls	10-356029	20%	mjp on non-suspect pipe cover	OMA	8	6 in. O.D.	DR	26	III	\$309	\$182	\$491
	10-356030	20%						26	III			
	10-356031	0%						26	III			

AREA COMMENTS

The materials are in fair condition with moderate contact and water damage. The materials are approximately 2' to 18' from the floor. At a minimum, it is recommended that the materials be repaired, then monitored through a maintenance program. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 02 TOTAL \$5,814 \$3,313 \$9,127

ASBESTOS ASSESSMENT SURVEY

H-K Building  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/23/89  
Inspector: BAXTER & VOTH

Building Number: 35  
Building Name: BOTTLING HOUSE  
SEATTLE, WASHINGTON  
Building Type: FOOD PROC.  
Year Constructed: 1955

*****	AREA NUMBER: 03	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 21%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
north half of building-men's break room	00-356025	20%	pipe covering	OMA	40 ft. 4 in.	O.D.	LPS/R	25	III	\$357	\$223	\$580
north half of building-men's locker room	07-356019	10%	mjp on non-suspect pipe cover	OMA	13 4 in.	O.D.	LPS/R	25	III	\$365	\$203	\$568
north half of building-men's break room	07-356019	10%	mjp on non-suspect pipe cover	OMA	11 4 in.	O.D.	LPS/R	25	III	\$309	\$172	\$481
	07-356020	20%						25	III			
	07-356021	20%						25	III			
north half of building-men's locker room	08-356022	30%	mjp on non-suspect pipe cover	OMA	22 4 in.	O.D.	DW	25	III	\$618	\$343	\$961
	08-356023	30%						25	III			
	08-356024	20%						25	III			
north half of building-men's break room	09-356026	20%	mjp on pipe covering	OMA	8 4 in.	O.D.	LPS/R	25	III	\$225	\$125	\$350
	09-356027	20%						25	III			
	09-356028	20%						25	III			

AREA COMMENTS

The materials are in good condition with minor contact and water damage. The materials are approximately 8' from the floor. At a minimum, it is recommended that the materials be maintained and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

AREA # 03 TOTAL \$1,874 \$1,066 \$2,940

*****	AREA NUMBER: 04	AREA DESCRIPTION: 1st Floor-South Half Of Building	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
NW corner-above entrance near soap tank	06-356016	0%	debris	OMF	6 sq.ft.							
	06-356017	0%										
	06-356018	0%										

AREA COMMENTS

AREA # 04 TOTAL \$0 \$0 \$0

*****	AREA NUMBER: 05	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 50%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
men's break rm-inside air handling unit	00-356032	50%	vibration joint cloth	OMZ	2 sq.ft.			23	III	\$27	\$14	\$41

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ASBESTOS ASSESSMENT SURVEY

H-K Building  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/23/89  
Inspector: BAXTER & VOTH

Building Number: 35  
Building Name: BOTTLING HOUSE  
SEATTLE, WASHINGTON  
Building Type: FOOD PROC.  
Year Constructed: 1955

AREA COMMENTS

AREA # 05 TOTAL \$27 \$14 \$41

The material is in good condition with minor contact and water damage. The material is approximately 4' from the floor. At a minimum, it is recommended that the material be maintained and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a moderate traffic area.

\*\*\*\*\* AREA NUMBER: 06 AREA DESCRIPTION: 1st Floor AREA AVERAGE % ASBESTOS: 32% \*\*\*\*\*

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
S half-along N & S walls-at ceiling	00-356033	40%	pipe covering	OMA	40 ft.	4 in. O.D.	LPS/R	24	III	\$357	\$223	\$580
S half-ctr-above machines & conveyors	00-356033	40%	pipe covering	OMA	150 ft.	8 in. O.D.	HPS/R	24	III	\$2,122	\$1,516	\$3,638
N half of bldg-along E wall-near ceiling	00-356033	40%	pipe covering	OMA	155 ft.	10 in. O.D.	HPS/R	24	III	\$2,925	\$2,165	\$5,090
S half-along N & S walls-at ceiling	00-356033	40%	pipe covering	OMA	60 ft.	6 in. O.D.	LPS/R	24	III	\$779	\$487	\$1,266
S half-ctr-above machines & conveyors	00-356033	40%	pipe covering	OMA	405 ft.	4 in. O.D.	HPS/R	24	III	\$3,613	\$2,260	\$5,873
S half-along N & S walls-at ceiling	00-356033	40%	pipe covering	OMA	125 ft.	8 in. O.D.	LPS/R	24	III	\$1,769	\$1,264	\$3,033
S half-NW corner-above soap tank-N wall	07-356019	10%	mjp on non-suspect pipe cover	OMA	12	6 in. O.D.	LPS/R	24	III	\$464	\$273	\$737
S half-NW corner-above soap tank-N wall	07-356019	10%	mjp on non-suspect pipe cover	OMA	15	4 in. O.D.	LPS/R	24	III	\$421	\$234	\$655
	07-356020	20%						24	III			
	07-356021	20%						24	III			
S half-SE corner-at ceiling-along S wall	10-356029	20%	mjp on non-suspect pipe cover	OMA	11	6 in. O.D.	DR	24	III	\$425	\$250	\$675
	10-356030	20%						24	III			
	10-356031	0%						24	III			
S half-along N & S walls-at ceiling	12-356034	20%	mjp on pipe covering	OMA	16	8 in. O.D.	LPS/R	24	III	\$770	\$453	\$1,223
S half-along N & S walls-at ceiling	12-356034	20%	mjp on pipe covering	OMA	2	4 in. O.D.	LPS/R	24	III	\$56	\$31	\$87
S half-ctr-above machines & conveyors	12-356034	20%	mjp on pipe covering	OMA	19	8 in. O.D.	HPS/R	24	III	\$914	\$538	\$1,452
S half-ctr-above machines & conveyors	12-356034	20%	mjp on pipe covering	OMA	68	4 in. O.D.	HPS/R	24	III	\$1,910	\$1,061	\$2,971
N half of bldg-along E wall-near ceiling	12-356034	20%	mjp on pipe covering	OMA	9	10 in. O.D.	HPS/R	24	III	\$563	\$352	\$915
S half-along N & S walls-at ceiling	12-356034	20%	mjp on pipe covering	OMA	9	6 in. O.D.	LPS/R	24	III	\$348	\$204	\$552
	12-356035	20%						24	III			
	12-356036	20%						24	III			

AREA COMMENTS

AREA # 06 TOTAL \$17,436 \$11,311 \$28,747

The materials are in fair condition with some contact and water damage. The materials are approximately 4' to 40' from the floor. At a minimum, it is recommended that the materials be repaired, then maintained and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

ASBESTOS ASSESSMENT SURVEY

H-K Building #35  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/23/89  
 Inspector: BAXTER & VOTH

Building Number: 35  
 Building Name: BOTTLING HOUSE  
 SEATTLE, WASHINGTON  
 Building Type: FOOD PROC.  
 Year Constructed: 1955

*****	AREA NUMBER: 07	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
near lunch room-northeast corner	13-356040	0%	acoustical tile	OMG	450 sq.ft.							
	13-356041	0%										
	13-356042	0%										

AREA COMMENTS	AREA # 07 TOTAL	\$0	\$0	\$0
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*****	AREA NUMBER: 08	AREA DESCRIPTION: 2nd Floor	AREA AVERAGE % ASBESTOS: 22%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
along east wall-southeast corner	00-356043	30%	pipe covering	OMA	16 ft. 4 in.	O.D. LPS/R	26	III		\$143	\$89	\$232
along east wall-at center	00-356043	30%	pipe covering	OMA	50 ft. 4 in.	O.D. LPS/R	26	III		\$446	\$279	\$725
along south wall-near center of wall	00-356043	30%	pipe covering	OMA	53 ft. 4 in.	O.D. LPS/R	26	III		\$473	\$296	\$769
along north wall-above conveyor belt	00-356043	30%	pipe covering	OMA	30 ft. 4 in.	O.D. LPS/R	26	III		\$268	\$167	\$435
along north wall-at northwest corner	07-356019	10%	mjp on non-suspect pipe cover	OMA	6 4 in.	O.D. LPS/R	26	III		\$169	\$94	\$263
	07-356020	20%					26	III				
	07-356021	20%					26	III				
along north wall-at northwest corner	10-356029	20%	mjp on non-suspect pipe cover	OMA	4 6 in.	O.D. DR	26	III		\$155	\$91	\$246
along north wall-adjacent to elevator	10-356029	20%	mjp on non-suspect pipe cover	OMA	2 6 in.	O.D. DR	26	III		\$77	\$45	\$122
along north wall-above conveyor belt	10-356029	20%	mjp on non-suspect pipe cover	OMA	6 6 in.	O.D. DR	26	III		\$232	\$136	\$368
	10-356030	20%					26	III				
	10-356031	0%					26	III				
along east wall-at center	14-356044	40%	mjp on pipe covering	OMA	8 4 in.	O.D. LPS/R	26	III		\$225	\$125	\$350
along east wall-southeast corner	14-356044	40%	mjp on pipe covering	OMA	10 4 in.	O.D. LPS/R	26	III		\$281	\$156	\$437
along north wall-above conveyor belt	14-356044	40%	mjp on pipe covering	OMA	5 4 in.	O.D. LPS/R	26	III		\$140	\$78	\$218
along south wall-near center of wall	14-356044	40%	mjp on pipe covering	OMA	5 4 in.	O.D. LPS/R	26	III		\$140	\$78	\$218
	14-356045	10%					26	III				
	14-356046	30%					26	III				
southwest corner-at entrance	15-356047	20%	mjp on non-suspect pipe cover	OMA	1 6 in.	O.D. DR	26	III		\$39	\$23	\$62
	15-356048	20%					26	III				
	15-356049	30%					26	III				
along east wall-southeast corner	16-356050	10%	mjp on non-suspect pipe cover	OMA	5 4 in.	O.D. DW	26	III		\$140	\$78	\$218
	16-356051	40%					26	III				
	16-356052	5%					26	III				
along south wall-near center of wall	17-356053	10%	mjp on non-suspect pipe cover	OMA	13 4 in.	O.D. LPS/R	26	III		\$365	\$203	\$568
	17-356054	10%					26	III				

ASBESTOS ASSESSMENT SURVEY

H-K Building  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/23/89  
Inspector: BAXTER & VOTH

Building Number: 35  
Building Name: BOTTLING HOUSE  
SEATTLE, WASHINGTON  
Building Type: FOOD PROC.  
Year Constructed: 1955

	17-356055	10X	26 III	
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AREA COMMENTS

AREA # 08 TOTAL \$3,293 \$1,938 \$5,231

The materials are in good condition with minor contact and water damage. The materials are approximately 4' to 20' from the floor. At a minimum, it is recommended that the materials be maintained and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

*****	AREA NUMBER: 09	AREA DESCRIPTION: 2nd Floor-Mezzanine Level	AREA AVERAGE % ASBESTOS: 20X	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&H CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southeast corner-along south wall	00-356043	30X	pipe covering	OMA	24 ft. 4 in. O.D.	LPS/R	26	III		\$214	\$134	\$348
south half of bldg-NE corner store room	07-356019	10X	mjp on non-suspect pipe cover	OMA	7 4 in. O.D.	LPS/R	26	III		\$197	\$109	\$306
mechanics shop-SW corner-at ceiling	07-356019	10X	mjp on non-suspect pipe cover	OMA	7 4 in. O.D.	LPS/R	26	III		\$197	\$109	\$306
	07-356020	20X					26	III				
	07-356021	20X					26	III				
mechanics shop-SW corner-at ceiling	08-356022	30X	mjp on non-suspect pipe cover	OMA	5 4 in. O.D.	DW	26	III		\$140	\$78	\$218
	08-356023	30X					26	III				
	08-356024	20X					26	III				
south wall-at southeast corner	15-356047	20X	mjp on non-suspect pipe cover	OMA	6 6 in. O.D.	DR	26	III		\$232	\$136	\$368
south wall-at southeast corner	15-356047	20X	mjp on non-suspect pipe cover	OMA	1 8 in. O.D.	DR	26	III		\$48	\$28	\$76
south half stairwell-northeast corner	15-356047	20X	mjp on non-suspect pipe cover	OMA	3 4 in. O.D.	DR	26	III		\$84	\$47	\$131
northeast corner of N packaging office	15-356047	20X	mjp on non-suspect pipe cover	OMA	2 4 in. O.D.	DR	26	III		\$56	\$31	\$87
N half-S wall-near center-at ceiling	15-356047	20X	mjp on non-suspect pipe cover	OMA	2 6 in. O.D.	DR	26	III		\$77	\$45	\$122
south wall-near center-at mezzanine fl	15-356047	20X	mjp on non-suspect pipe cover	OMA	4 6 in. O.D.	DR	26	III		\$155	\$91	\$246
N half-S wall-near center-at ceiling	15-356047	20X	mjp on non-suspect pipe cover	OMA	1 8 in. O.D.	DR	26	III		\$48	\$28	\$76
south wall-at southeast corner	15-356047	20X	mjp on non-suspect pipe cover	OMA	4 4 in. O.D.	DR	26	III		\$112	\$62	\$174
	15-356048	20X					26	III				
	15-356049	30X					26	III				
W wall of corridor-outside of QC lab	17-356053	10X	mjp on non-suspect pipe cover	OMA	7 4 in. O.D.	LPS/R	26	III		\$197	\$109	\$306
	17-356054	10X					26	III				
	17-356055	10X					26	III				

AREA COMMENTS

AREA # 09 TOTAL \$1,757 \$1,007 \$2,764

The material is in good condition with minor contact and water damage. The material is approximately 8' from the floor. At a minimum, it is recommended that the material be maintained and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

ASBESTOS ASSESSMENT SURVEY

H-K Building  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/23/89  
Inspector: BAXTER & VOTH

Building Number: 35  
Building Name: BOTTLING HOUSE  
SEATTLE, WASHINGTON  
Building Type: FOOD PROC.  
Year Constructed: 1955

*****	AREA NUMBER: 10	AREA DESCRIPTION: 2nd Floor-Mezzanine-Ceilings	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
bottling QC lab	18-356056	0%	drop or lay-in panel	OMG	125 sq.ft.							
	18-356057	0%										
	18-356058	0%										
packaging storeroom	19-356059	0%	acoustical tile	OMG	35 sq.ft.							
scheduling office	19-356059	0%	acoustical tile	OMG	144 sq.ft.							
north packaging office	19-356059	0%	acoustical tile	OMG	180 sq.ft.							
center packaging office	19-356059	0%	acoustical tile	OMG	168 sq.ft.							
south packaging office	19-356059	0%	acoustical tile	OMG	168 sq.ft.							
	19-356060	0%										
	19-356061	0%										

AREA COMMENTS

AREA # 10 TOTAL \$0 \$0 \$0

*****	AREA NUMBER: 11	AREA DESCRIPTION: 2nd Floor-Mezzanine Area	AREA AVERAGE % ASBESTOS: 15%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
mezzanine-SE corner-above heater unit	20-356062	6%	debris	OMF	3 sq.ft.			62 I		\$100	\$0	\$100
	20-356063	10%						62 I				
	20-356064	30%						62 I				

AREA COMMENTS

AREA # 11 TOTAL \$100 \$0 \$100

The debris is located above the heater unit in the southeast corner. The debris should be removed. Gross removal procedures are recommended for removal.

BUILDING # 35 TOTAL \$36,746 \$22,939 \$59,685